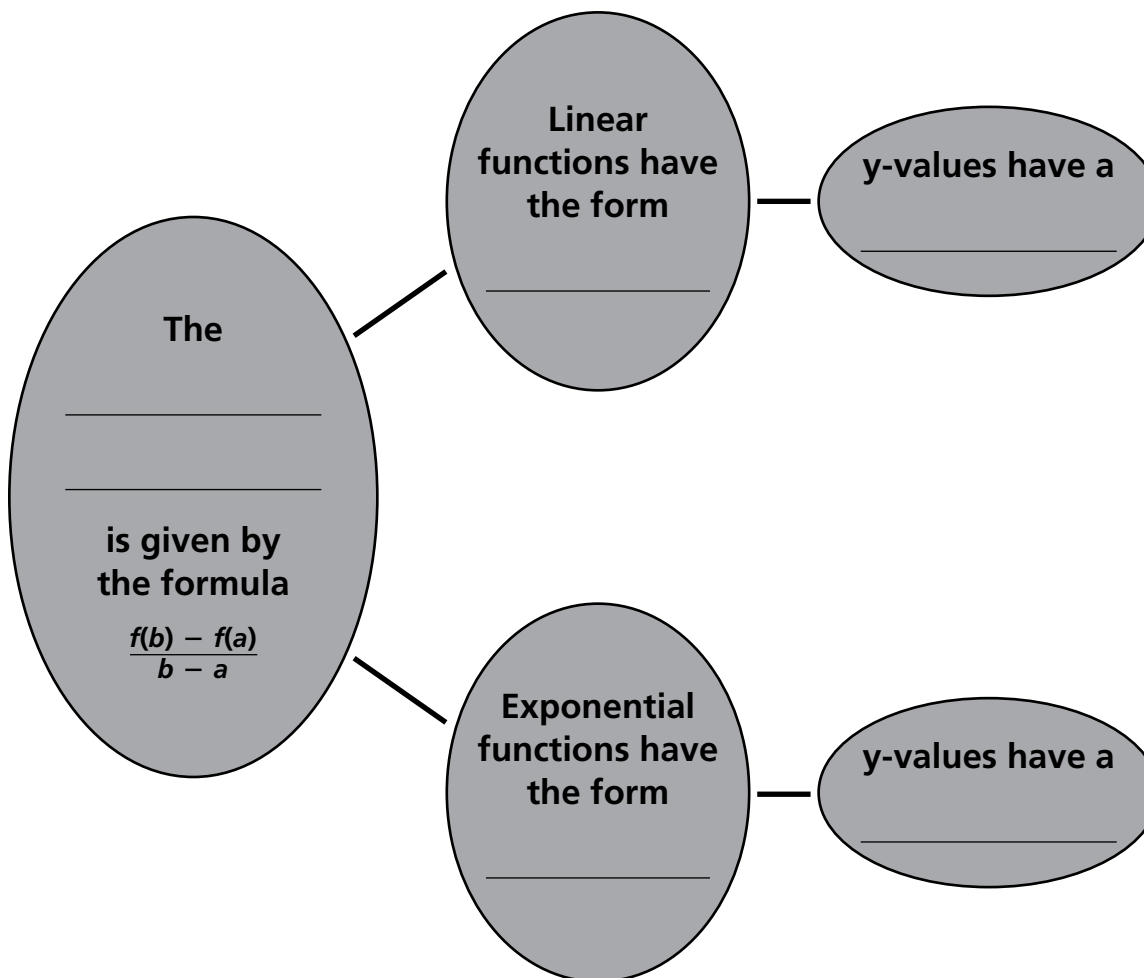


Additional Vocabulary Support

Comparing Linear and Exponential Functions

Use the list below to complete the diagram.

common difference $y = a \cdot b^x$	average rate of change	$y = mx + b$ common ratio
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Use the following terms to complete the sentence. *Hint:* not all terms will be used.

linear exponential inconsistent	increases rate of change difference	constant decreases ratio
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An increasing _____ function will eventually overtake an increasing _____ function, because the average _____ of the exponential function _____, while the average rate of change of the linear function is _____.